

5                   PROCESS FOR PREPARING ORGANIC HYDROPEROXIDES

ABSTRACT

10           The invention relates to a process for preparing  
          organic hydroperoxides, which process involves (a)  
          oxidizing an organic compound to obtain a reaction  
          product containing organic hydroperoxide,  
          (b) treating at least part of the organic  
15           hydroperoxide containing reaction product with a  
          basic aqueous solution and separating  
          hydrocarbonaceous phase containing organic  
          hydroperoxide from basic aqueous phase, (c) washing  
20           with water at least part of the separated  
          hydrocarbonaceous phase containing organic  
          hydroperoxide and separating hydrocarbonaceous phase  
          containing organic hydroperoxide from aqueous phase,  
          and (d) optionally repeating step (c) one or more  
          times, in which process solid particles are removed  
25           from the reaction product containing organic  
          hydroperoxide and/or basic aqueous solution before  
          use in step (b), preferably by filtering. The  
          invention also relates to a process for preparing  
          oxirane compounds in which such organic hydroperoxide  
          is used.